

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/561, 823  
Source: IFWP  
Date Processed by STIC: 08/10/2006

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 08/10/2006

PATENT APPLICATION: US/10/561,823

TIME: 09:47:32

Input Set : F:\264-012-USP ST25 (2).txt

Output Set: N:\CRF4\08102006\J561823.raw

3 <110> APPLICANT: Hansen, Joergen

5 <120> TITLE OF INVENTION: A method of producing a low molecular weight organic compound in

6 a cell

8 <130> FILE REFERENCE: 264-012-USP

10 <140> CURRENT APPLICATION NUMBER: US 10/561,823

C--> 11 <141> CURRENT FILING DATE: 2005-12-19

13 <160> NUMBER OF SEQ ID NOS: 57

15 <170> SOFTWARE: PatentIn version 3.3

17 <210> SEQ ID NO: 1

18 <211> LENGTH: 34

19 <212> TYPE: DNA

20 <213> ORGANISM: Artificial

22 <220> FEATURE:

23 <223> OTHER INFORMATION: PCR primer

25 <400> SEQUENCE: 1

26 attagaattc atgggcagca acgcgccgcc gccg 34

29 <210> SEQ ID NO: 2

30 <211> LENGTH: 34

31 <212> TYPE: DNA

32 <213> ORGANISM: Artificial

34 <220> FEATURE:

35 <223> OTHER INFORMATION: PCR Primer

37 <400> SEQUENCE: 2

38 attaaagctt ttactgcttg ccccgacca gcag 34

41 <210> SEQ ID NO: 3

42 <211> LENGTH: 28

43 <212> TYPE: DNA

44 <213> ORGANISM: Artificial

46 <220> FEATURE:

47 <223> OTHER INFORMATION: PCR Primer

49 <400> SEQUENCE: 3

50 caccatgggc agcaacgcgc cgccgccg 28

53 <210> SEQ ID NO: 4

54 <211> LENGTH: 24

55 <212> TYPE: DNA

56 <213> ORGANISM: Artificial

58 <220> FEATURE:

59 <223> OTHER INFORMATION: PCR Primer

61 <400> SEQUENCE: 4

62 ttactgcttg ccccgacca gcag 24

65 <210> SEQ ID NO: 5

66 <211> LENGTH: 21

67 <212> TYPE: DNA

## RAW SEQUENCE LISTING

DATE: 08/10/2006

PATENT APPLICATION: US/10/561,823

TIME: 09:47:32

Input Set : F:\264-012-USP ST25 (2).txt

Output Set: N:\CRF4\08102006\J561823.raw

```

68 <213> ORGANISM: Artificial
70 <220> FEATURE:
71 <223> OTHER INFORMATION: PCR Primer
73 <400> SEQUENCE: 5
74 atgaaagtga acgaggaaaa c 21
77 <210> SEQ ID NO: 6
78 <211> LENGTH: 21
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial
82 <220> FEATURE:
83 <223> OTHER INFORMATION: PCR Primer
85 <400> SEQUENCE: 6
86 cgcagctgcc agggaggccg g 21
89 <210> SEQ ID NO: 7
90 <211> LENGTH: 21
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial
94 <220> FEATURE:
95 <223> OTHER INFORMATION: PCR Primer
97 <400> SEQUENCE: 7
98 gcctccgccg gcctcgccgc c 21
101 <210> SEQ ID NO: 8
102 <211> LENGTH: 21
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial
106 <220> FEATURE:
107 <223> OTHER INFORMATION: PCR Primer
109 <400> SEQUENCE: 8
110 cagaccacca actgcaggca g 21
113 <210> SEQ ID NO: 9
114 <211> LENGTH: 21
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial
118 <220> FEATURE:
119 <223> OTHER INFORMATION: PCR Primer
121 <400> SEQUENCE: 9
122 gagagggaga ggccgtcgtc g 21
125 <210> SEQ ID NO: 10
126 <211> LENGTH: 34
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial
130 <220> FEATURE:
131 <223> OTHER INFORMATION: PCR Primer
133 <400> SEQUENCE: 10
134 attagaattc atgaaagtga acgaagaaaa caac 34
137 <210> SEQ ID NO: 11
138 <211> LENGTH: 37
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial

```

## RAW SEQUENCE LISTING

DATE: 08/10/2006

PATENT APPLICATION: US/10/561,823

TIME: 09:47:32

Input Set : F:\264-012-USP ST25 (2).txt

Output Set: N:\CRF4\08102006\J561823.raw

```

142 <220> FEATURE:
143 <223> OTHER INFORMATION: PCR Primer
145 <400> SEQUENCE: 11
146 attaaagctt ttatttggtt agtcctaaac taacgac 37
149 <210> SEQ ID NO: 12
150 <211> LENGTH: 24
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial
154 <220> FEATURE:
155 <223> OTHER INFORMATION: PCR Primer
157 <400> SEQUENCE: 12
158 atgaaagtga acgaagaaaa caac 24
161 <210> SEQ ID NO: 13
162 <211> LENGTH: 27
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial
166 <220> FEATURE:
167 <223> OTHER INFORMATION: PCR Primer
169 <400> SEQUENCE: 13
170 ttatttggtt agtcctaaac taacgac 27
173 <210> SEQ ID NO: 14
174 <211> LENGTH: 21
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial
178 <220> FEATURE:
179 <223> OTHER INFORMATION: PCR Primer
181 <400> SEQUENCE: 14
182 atgaaagtga acgaggaaaa c 21
185 <210> SEQ ID NO: 15
186 <211> LENGTH: 21
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial
190 <220> FEATURE:
191 <223> OTHER INFORMATION: PCR Primer
193 <400> SEQUENCE: 15
194 gaatccctcg ttctgatttc t 21
197 <210> SEQ ID NO: 16
198 <211> LENGTH: 21
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial
202 <220> FEATURE:
203 <223> OTHER INFORMATION: PCR Primer
205 <400> SEQUENCE: 16
206 cttgacgcac gtgaggataa c 21
209 <210> SEQ ID NO: 17
210 <211> LENGTH: 21
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial
214 <220> FEATURE:

```

## RAW SEQUENCE LISTING

DATE: 08/10/2006

PATENT APPLICATION: US/10/561,823

TIME: 09:47:32

Input Set : F:\264-012-USP ST25 (2).txt

Output Set: N:\CRF4\08102006\J561823.raw

```

215 <223> OTHER INFORMATION: PCR Primer
217 <400> SEQUENCE: 17
218 cctgacacgg tgcctgaccc g 21
221 <210> SEQ ID NO: 18
222 <211> LENGTH: 21
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial
226 <220> FEATURE:
227 <223> OTHER INFORMATION: PCR Primer
229 <400> SEQUENCE: 18
230 cggaggggat tgaagggtgg g 21
233 <210> SEQ ID NO: 19
234 <211> LENGTH: 31
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial
238 <220> FEATURE:
239 <223> OTHER INFORMATION: PCR Primer
241 <400> SEQUENCE: 19
242 attagaattc atggaacata ccccgacat t 31
245 <210> SEQ ID NO: 20
246 <211> LENGTH: 32
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial
250 <220> FEATURE:
251 <223> OTHER INFORMATION: PCR Primer
253 <400> SEQUENCE: 20
254 attagaattc ttatgtactg gaaattttgt tc 32
257 <210> SEQ ID NO: 21
258 <211> LENGTH: 25
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial
262 <220> FEATURE:
263 <223> OTHER INFORMATION: PCR Primer
265 <400> SEQUENCE: 21
266 caccatggaa cataccccgc acatt 25
269 <210> SEQ ID NO: 22
270 <211> LENGTH: 22
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial
274 <220> FEATURE:
275 <223> OTHER INFORMATION: PCR Primer
277 <400> SEQUENCE: 22
278 ttatgtactg gaaattttgt tc 22
281 <210> SEQ ID NO: 23
282 <211> LENGTH: 20
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial
286 <220> FEATURE:
287 <223> OTHER INFORMATION: PCR Primer

```

## RAW SEQUENCE LISTING

DATE: 08/10/2006

PATENT APPLICATION: US/10/561,823

TIME: 09:47:32

Input Set : F:\264-012-USP ST25 (2).txt

Output Set: N:\CRF4\08102006\J561823.raw

```

289 <400> SEQUENCE: 23
290 atggagcata cacctcacat                                20
293 <210> SEQ ID NO: 24
294 <211> LENGTH: 20
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial
298 <220> FEATURE:
299 <223> OTHER INFORMATION: PCR Primer
301 <400> SEQUENCE: 24
302 gacggccatg tgcctgtctc                                20
305 <210> SEQ ID NO: 25
306 <211> LENGTH: 20
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial
310 <220> FEATURE:
311 <223> OTHER INFORMATION: PCR Primer
313 <400> SEQUENCE: 25
314 ggggcagtct cccataatca                                20
317 <210> SEQ ID NO: 26
318 <211> LENGTH: 20
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial
322 <220> FEATURE:
323 <223> OTHER INFORMATION: PCR Primer
325 <400> SEQUENCE: 26
326 agggctcttaa agtggccctg                                20
329 <210> SEQ ID NO: 27
330 <211> LENGTH: 20
331 <212> TYPE: DNA
332 <213> ORGANISM: Artificial
334 <220> FEATURE:
335 <223> OTHER INFORMATION: PCR Primer
337 <400> SEQUENCE: 27
338 tacgggtctc tatictaaca                                20
341 <210> SEQ ID NO: 28
342 <211> LENGTH: 32
343 <212> TYPE: DNA
344 <213> ORGANISM: Artificial
346 <220> FEATURE:
347 <223> OTHER INFORMATION: PCR Primer
349 <400> SEQUENCE: 28
350 attagaattc aaaaatcaca gggcaggga ac                    32
353 <210> SEQ ID NO: 29
354 <211> LENGTH: 41
355 <212> TYPE: DNA
356 <213> ORGANISM: Artificial
358 <220> FEATURE:
359 <223> OTHER INFORMATION: PCR Primer
361 <400> SEQUENCE: 29

```

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 08/10/2006  
PATENT APPLICATION:    US/10/561,823      TIME: 09:47:33

Input Set : F:\264-012-USP ST25 (2).txt  
Output Set: N:\CRF4\08102006\J561823.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51

Seq#:52,53,54,55,56,57

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/561,823

DATE: 08/10/2006

TIME: 09:47:33

Input Set : F:\264-012-USP ST25 (2).txt

Output Set: N:\CRF4\08102006\J561823.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date